



A Touchstone Energy Cooperative 

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PUBLIC SERVICE
COMMISSION

February 20, 2013

Mr. Kyle Willard
Director of Engineering
Kentucky Public Service Commission
P. O. Box 615
Frankfort, KY 40602-0615

Re: ADMINISTRATIVE CASE NO. 2006-00494 – AN INVESTIGATION OF THE RELIABILITY MEASURES OF KENTUCKY’S JURISDICTIONAL ELECTRIC DISTRIBUTION UTILITIES AND CERTAIN RELIABILITY MAINTENANCE PRACTICES

Dear Mr. Willard:

Enclosed is Inter-County Energy Cooperative’s Annual Report of Reliability pursuant to the Public Service Commission’s Order dated October 26, 2007 for Case No. 2006-00494.

If you have any further questions or comments, please direct those to David Phelps, Vice President-Operations. His direct line is 859-936-7818 or email to davidp@intercountyenergy.net.

Sincerely,



James L. Jacobus
President/CEO



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A Touchstone Energy Cooperative 

Administrative Case No. 2006-00494

February 20, 2013

Electric Distribution Utility Annual Reliability Report

- Contact Information
- Report Year
- Major Event Days
- System Reliability Results
- Outage Cause Categories
- Worst Performing Circuits
- Vegetation Management Plan Review
- Utility Comments

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>Inter-County Energy</u>
REPORT PREPARED BY	1.2	<u>David Phelps</u>
E-MAIL ADDRESS OF PREPARER	1.3	<u>davidp@intercountyenergy.net</u>
PHONE NUMBER OF PREPARER	1.4	<u>859-236-4561 ext. 7818</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2012</u>
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	<u>14.496367</u>
FIRST DATE USED TO DETERMINE T_{MED}	3.2	<u>Jan. 1, 2007</u>
LAST DATE USED TO DETERMINE T_{MED}	3.3	<u>Dec. 31, 2011</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>0</u>

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	<u>100.74</u>
SAIFI	4.2	<u>1.12</u>
CAIDI	4.3	<u>89.63</u>

Including MED (Optional)

SAIDI	4.4	<u> </u>
SAIFI	4.5	<u> </u>
CAIDI	4.6	<u> </u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and T_{MED}

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SECTION 5: OUTAGE CAUSE CATEGORIES Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE	CAUSE CODE DESCRIPTION		SAIFI VALUE
Lightning	5.1.1	32.47	Lightning	5.2.1	0.250
High Wind	5.1.2	24.46	High Wind	5.2.2	0.241
Cars or Trucks	5.1.3	5.97	Cars or Trucks	5.2.3	0.165
Equipment Failure	5.1.4	5.11	Equipment Failure	5.2.4	0.066
Trees	5.1.5	3.93	Trees	5.2.5	0.047
Trees cut in Dist	5.1.6	2.44	Animals	5.2.6	0.027
Animals	5.1.7	2.05	Trees cut in Dist	5.2.7	0.016
Deterioration	5.1.8	0.73	Deterioration	5.2.8	0.008
Rain, Ice, Snow	5.1.9	0.46	Rain, Ice, Snow	5.2.9	0.007
Equip. Overload	5.1.10	0.18	Caused by others	5.2.10	0.001

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER		SAIDI VALUE	MAJOR OUTAGE CATEGORY
Ballard - Paradise Camp	6.1.1	9.03	Lightning
Lancaster - Lex Rd / Old 52	6.1.2	8.62	High Wind
Marion Ind. - Industrial	6.1.3	6.96	Lightning
Loretto - Spencer H.	6.1.4	6.35	Lightning
Sulpher Crk. - Howardstown	6.1.5	3.56	High Wind
Lebanon - Danville	6.1.6	3.07	Lightning
Sulpher Crk. - Raywick	6.1.7	3.00	High Wind
Sulpher Crk. - New Hope	6.1.8	1.61	Equipment failure
Highland - Ottenham	6.1.9	1.35	Equipment failure
Shelby City - Standford	6.1.10	1.35	Equipment failure

CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
Marion Ind. - Industrial	6.2.1	12.300	Lightning
Lancaster - Lex Rd / Old 52	6.2.2	8.250	High Wind
Loretto - Spencer H.	6.2.3	4.622	Lightning
Ballard - Paradise Camp	6.2.4	2.251	Lightning
Sulpher Crk. - Howardstown	6.2.5	2.127	High Wind
Shelby City - Alum Springs	6.2.6	2.094	High Wind
Lebanon - Danville	6.2.7	1.625	Lightning
Sulpher Crk. - New Hope	6.2.8	1.517	Equipment failure
Shelby City - Standford	6.2.9	1.450	Equipment failure
Sulpher Crk. - Raywick	6.2.10	1.385	High Wind

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Additional pages may be attached as necessary
SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Inter-County Energy completed the fifth year of its five-year vegetation management plan.

Inter-County Energy is beginning its next five-year vegetation management plan and will be closely monitoring the progress.

SECTION 8: UTILITY COMMENTS
